### The new PowerSeries from DSC

- Siemens offers the new DSC PowerSeries Alarm Panel to the Australian Security Industry
- Original innovator with small easy-to-use keypads, first digital security systems
- DSC Engineers have worked for years on new platform seeking extensive customer input
- Power surge:
  - 10 New keypads,
  - 3 Future-smart control panels



Global company supplying Products in 140 countries

#### **PowerSeries DNA**



### The new PowerSeries from DSC

For Installers and Users the new PowerSeries offers...

**EXCEPTIONAL VALUE**: 100+ new features

**ADVANCED**: All 3 panels support

- Wireless expansion
- Video monitoring
- T-Link IP communicators
- Wireless communicators

#### Added headroom for the future

- ADVANCED: All 3 panels include
  - 500-event buffer
  - Programmable daylight savings time
  - Night zone
  - Automatic Contact ID
  - Auto-arm, by partition, 7 day schedule

EASY: Easy to sell, easy to install and easy to use



- Two wire smoke detector
- Fast loop response by zone
- No Activity auto arming
- Communications priority implemented on automatic Contact ID
- Switching power supply 700mA Aux.
- 8 Keypad Support
- DLS2002 Software



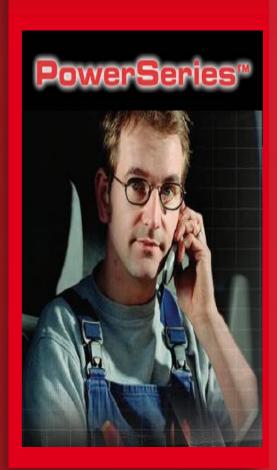
- ROHS compliant
- 700 mA Bell Supply
- 700 mA Auxiliary Power
- 32 user codes (One time user code)
- 37 zone types including night zone (night arming)
- 32 PGM types (zone follower)
- 12 communication formats



- Automatic Daylight Savings Time
- Telephone Line Monitoring
- Bell Circuit Supervision
- PTC Fuse less design
- Exceptional Lightning/Surge Protection
- 4 or 6 Digit Account Codes
- 4 or 6 Digit User Codes



- Added section [900] to identify software version
- On-site Flash Upgrade
  - Coming Soon
- New installation guide
- Delinquency Code



# PowerSeries New Zone Types

- 25 Interior Delay
- 26 24-Hour Non-Alarm
- 29 Auto-Verify Fire
- 30 Fire Supervisory
- 31 Day Zone
- 32 24-Hour Bell/Buzzer
- 35 Instant Stay/Away
- 37 Night Zone

00 Null Zone (not used) 20 24-hr Freeze 01 Delay 1 21 24-hr Latching Tamper 02 Delay 2 22 Momentary Keyswitch Arm 03 Instant 23 Maintained Keyswitch Arm 04 Interior 24 Future Use 05 Interior Stay/Away 25 Interior Delay 06 Delay Stay/Away 26 24-hr Non-Alarm 07 Delayed 24-hr Fire 27 Delayed 24-hr WaterFlow 28 Instant 24-hr WaterFlow (Hardwired) 08 Standard 24-hr Fire 29 Auto-Verified Fire (Hardwired) 30 Fire Supervisory 09 24-hr Supervisory 31 Day Zone 10 24-hr Supervisory Buzzer 32 24-hr Bell/Buzzer 11 24-hr Burglary 33 Push To Set 12 24-hr Holdup 34 Final Door Set 13 24-hr Gas 35 Instant Stay/Away 14 24-hr Heat 36 24-hr Non Latching Tamper 15 24-hr Medical 37 Night Zone 87 Delayed 24-hr Fire 16 24-hr Panic 17 24-hr Emergency (Wireless) 88 Standard 24-hr Fire 18 24-hr Sprinkler 19 24-hr Water (Wireless)

# PowerSeries New Programmable Outputs

25 - Delay Fire and Burglary Output

29 - Zone Follower Output:

30 - Partition Status Alarm Memory

01 Fire & Burglary Output 17 Away Armed Status 02 Not Used 18 Stay Armed Status 03 Sensor Reset 19 Command Output#1 04 2-Wire Smoke (PGM2 Only) 20 Command Output#2 05 Armed Status 21 Command Output#3 06 Ready Status 22 Command Output#4 07 Keypad Buzzer Follow 23 24-hr Silent Input 08 Courtesy Pulse 24 24-hr Audible Input 09 System Trouble Output 25 Delayed Fire & Burglary Output 10 System Event 26 Battery Test Output 11 System Tamper 27 Police Code Output 12 TLM and Alarm 28 Holdup Output 13 Kiss-Off Output 29 Zone Follower Output 14 Ground Start Pulse 30 Partition Status Alarm Memory 15 Remote Operation 31 Alternate Communications 16 Future Use 32 Open After Alarm

# **PowerSeries Comparison Chart**

	PC585	PC1565	PC5015	PC5020
On-Board Zones	4	6	8	8
Hardwired Zones	8	8	32	64
Wireless Zones	32	32	32	32
Keypad Zone Support	Yes	Yes	Yes	Yes
On-Board PGM	2	2	2	4
Keypads Supported	8	8	8	8
<b>Partitions</b>	1	1	2	8
User Codes	32 +Master Codes	32 +Master Codes	32 +Master Codes	32 +Master Codes
AUX Current	500mA	500mA	500mA	500mA

PC1616	PC1832	PC1864
6	8	8
16	32	64
16	32	32
Yes	Yes	Yes
2	2	4
8	8	8
2	4	8
32 +Master	32 +Master 32 +Maste	
Codes	Codes	Codes
700mA	700mA	700mA





### PowerSeries New Panels

# PC1616



- Expands to 16 Zones
- Hardwire expansion
- Addressable Expansion
- Wireless Expansion
- 2 ProgrammableOutputs
- 2 Partitions

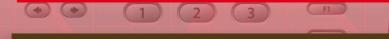


Now

2 Partitions

PowerSeries New Panels

PC1832



#### 8 Onboard Zones

- Expands to 32 Zones
- Hardwire expansion
- Addressable Expansion
- Wireless Expansion
- 2 ProgrammableOutputs
- 4 Partitions

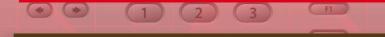


# Now

4 Partitions

PowerSeries New Panels

PC1864



#### 8 Onboard Zones

- Expands to 64 Zones
- Hardwire expansion
- Addressable Expansion
- Wireless Expansion
- 4 ProgrammableOutputs
- 8 Partitions



Now

700<sub>mA</sub>
Aux Current

Q Will the new panels work with the old PowerSeries keypads and modules

A YES One of the main features of the new PowerSeries is that all older versions of product will be compatible with new, and vice versa. All programming features e.g. (\* Commands) remain as before.

DSC has adopted single architecture for global feature set and panel compatibility

Backward compatibility of all PowerSeries control panels will be retained in future releases.

Conventional Power programming retained (\*8) – No retraining required.

Q Will I have to learn any new programming for the New PowerSeries

A NO There is no re-training required for the new panels.

Apart from some extra zone types and PGM outputs, there isn't much more to learn about the new system.

There is a new installation manual that contains all that you need to get the New PowerSeries up and running. And we listened, its simple and easy to read and use.

You'll be pleased to know that its only ONE book.

Free refresher courses are also available on line. These are interactive and are open to any one.

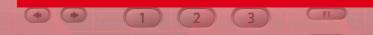
PowerSeries high-quality, slim-profile keypads use advanced plastics technology to achieve a clean, unobtrusive look that homeowners welcome and installers will appreciate for their easy programming and installation.

The keypads feature an input/output terminal that can be programmed to operate as a zone input, programmable output or as a low temperature sensor. The keypads also include adjustable backlit keys that address low-light situations and five programmable keys for simple one-button activation of system functions.

The PK5500/ RFK5500 64-zone full-message keypad, support eight languages, global partition status and full, 32-character programmable phrases



# Simple and easy to use

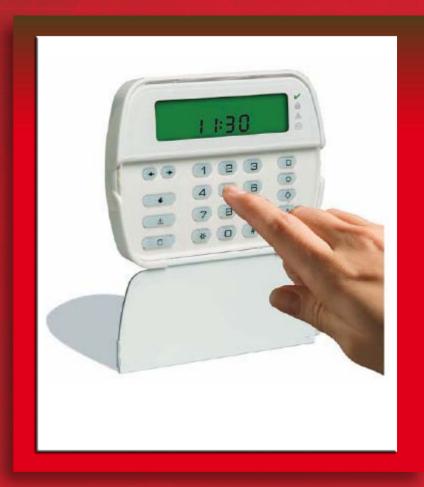


#### **Easy To Use**

To simplify usage, the keypads feature five programmable keys for easy one-button activation of system functions.

The default tasks assigned to the five function keys are:

- stay arming,
- away arming,
- door chime,
- smoke detector reset and
- quick exit.



# 64 Zone LCD Full Message Keypad PK5500 and Receiver version is RKF5500

# Easy to sell to end-users

PK landscape keypads are stylish, smaller and slimmer - thin as 20mm and small as 113mm x 154mm

High-gloss back painting for a rich 3D sensation

Buttons: Bigger, backlit & smarter ergonomic layout



# 64 Zone LCD Picture ICON Keypad PK5501 and Receiver version is RKF5501

5 programmable function keys

Input/output terminals can be programmed as either zone input or PGM output or Low Temperature



# 16 Zone LED Keypad

PK5516 and Receiver version is RKF5516

Surface or single-gang box mount

RFK version include all of the same features and supports 32 wireless zones and 16 wireless keys



# **8 Zone LED Keypad**

PK5508 and Receiver version is RKF5508

New AC status ICON

Multiple door chime per zone

Adjustable backlight and keypad buzzer



# 8 Zone LED Keypad LED5511Z

The value series LCD5511 and LED5511Z slim-line portrait keypads are perfect for economical installations or as additional keypads. Both keypads present the system status of DSC PowerSeries security systems through the display of fixed symbols and numbers.



# 64 Zone LCD ICON Keypad LCD5511

Quick to install, the keypads are equipped with a wire channel for flush mount applications, four programmable function keys, dual FAP (Fire, Auxiliary and Panic) keys and large, backlit buttons for trouble-free viewing and activation.



# 8-Hardwire Zone Expander *PC5108*

Adds an additional 8 hardwire zones for the PowerSeries

- AUX power, I25 mA (PTC protected)
- Compatible with PC1616, PC1832 and PC1864 control panels



# **Power Supply Modules** *PC5200 and PC5204W*

#### Provides up to I Amp @ 12 VDC

- Fully supervised for AC failure, low battery and AUX failure
- PC5204 adds 4 programmable high current voltage outputs: rated at 1 Amp @ 12 VDC, output #1 can be used as a supervised bell output
- Compatible with PC1616, PC1832 and PC1864 control panels
- Connect up to 4 supervised modules on a system



# **Programmable Output Module** *PC5208*

Provides 8 low current (50 mA) PGM voltage outputs

- Compatible with PC1616, PC1832 and PC1864 control panels
- Requires plug pack and battery



# **Printer Interface Module** *PC5400*

Can be used to support a serial printer

Compatible with all PowerSeries control panels



# **Data Interface Module** *PC5401*

Supports bi-directional RS-232 commands for third-party interface

- Supports real-time zone status
- Compatible with all PowerSeries control panels



# **Telephone Interface & Automation Control Module -** *ESCORT5580AUS*

Turns any touchtone phone into a talking keypad

- Programmable labels: 6 words per label, 240+ word library
- Built-in X-10 interface: supports up to 32 X-10 devices, 16 schedules, 8 modes
- Built-in thermostat support
- Compatible with PC1616, PC1832 and PC1864 control panels



# **Acuity Glass Break Detector** *AC-101*

Acuity glass break detector can be mounted on walls or ceilings and feature built-in intelligence that make them "smart" enough to recognize the sound of breaking glass from other common sounds found in homes and businesses.

With their high-performance microphones and advanced microprocessor-based Digital Sound Analysis (DSA), Acuity glass break detectors can determine all types of breaking framed glass—plate, laminated, tempered and safety—up to 8 metres away.



# **Acuity Glass Break Simulator** *AFT-100*

The AFT-100 glass break simulator provides the most reliable and accurate indication of the correct mounting location for the detector.



# **DSC Dual Technology Motion Detectors** F2-301, F2-302, F2-303 and F2-304

The F2-301, F2-302, F2-303 and F2-304 dual-technology motion detectors employ both microwave (MVV) and passive infrared (PIR) motion sensors.

The MW and PIR systems are each designed as independent, high-quality motion detectors. When combined, the result is a detector of incomparable performance designed to eliminate "single-detector" false alarms.

Available with microwave frequencies at 10.515 GHz or 10.525 GHz



# **Bravo® 6 Twin, Dual-Element, Pet-Immune PIR Motion Detectors** *BV-601*

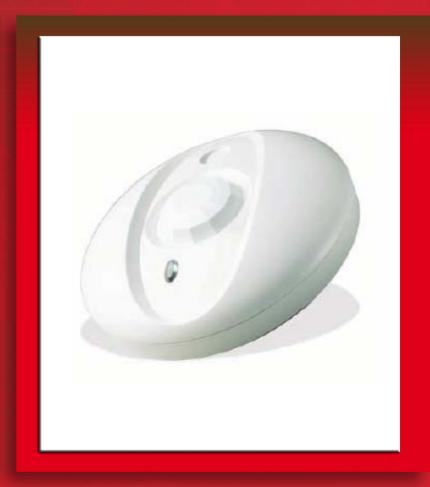
With its twin, dual-element PIR detectors, unique lens and advanced digital signal analysis, Bravo6 provides accurate detection while ignoring common false alarm situations, including pets.



# Bravo® 5 360° Ceiling-Mount PIR Motion Detectors - BV-501 and BV-501GB (Glass Break)

Bravo5 ceiling-mount motion detectors use an advanced quad-PIR element to provide consistent detection regardless of the motion direction.

The Bravo5GB offers even more security with its integrated glass break detector.



# Strata Mirror-Optic PIR Motion Detector ST-301D

By using a highly reflective mirror instead of a lens to provide a precise, uniform pattern, Strata allows greater amounts of infrared energy to be collected and focused directly onto its sensing component for superior catch performance.



# Encore Swivel-Mount PIR Motion Detectors EC-301, EC301D, EC301DP

Encore swivel-mount PIR motion detectors use a digital, microprocessor controlled fresnel lens to deliver stable and accurate detection without sacrificing catch performance.

Vertical Beam Shaping (VBS) provides pet immunity up to 27 kg, while a unique cover hinge allows the detector to be installed right up to the ceiling.

Complete with swivel-mount bracket.



#### **Hardwired Detection**

### PIR Detector with Pet Immunity LC-100-PI

The LC-100-PI effectively blends performance with competitive pricing.

Ideal for residential applications, the detector features intelligent signal analysis for reliable detection, pet immunity up to 25 kg and a slim design that complements any décor.

Comes in 6 pack only.



#### **Hardwired Detection**

### PIR Detector with Camera (B&W/Colour) and Pet Immunity - LC-101

The LC-101 utilizes a camera to provide reliable detection and false alarm immunity. The motion detector features trouble-free installation and is ideal for those looking for a sophisticated residential solution or for commercial applications.

#### **Models**

LC-101-CAMCLPAL Colour PAL LC-101-CAMCLNTSC Colour NTSC LC-101-CAMB&W Black & White CCIR

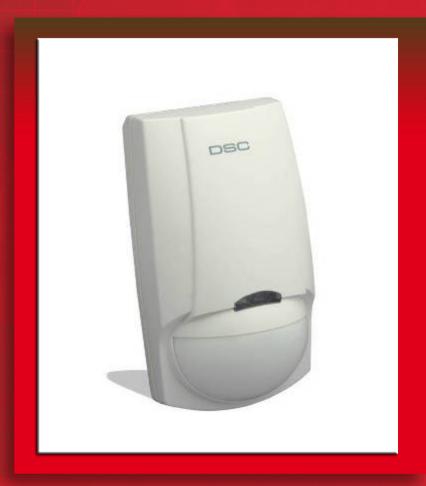


#### **Hardwired Detection**

## PIR and Microwave Detector with Anti-Masking and Pet Immunity - LC-103-PIMSK

The LC-103-PIMSK is a dual-technology motion detector that combines passive infrared and microwave detection with anti-masking features.

The anti-masking feature prevents intruders from defeating the detector by covering its field of view.



# Wireless Detection Devices

When it's time to add wireless detection devices to your next installation, DSC makes it easy. Turn any PowerSeries alarm panel into a hybrid wireless alarm system using our proven wireless receivers.

For new PowerSeries alarm panels, you can choose from our four new keypads, all with integrated wireless receiver or you can use the RF5108-433 or RF5132-433 wireless receivers.

Whatever your needs, you will benefit from the exceptional performance, reliability, flexibility and ease of installation of DSC wireless technology.

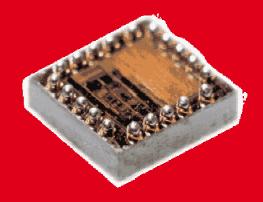
### PowerSeries New Wireless Technology

433MHz narrow band technology

Low cost Robust

Lithium batteries

Longer operating life Longer shelf life Higher density/volume



**PCB** antenna

More consistent performance
No risk of damage during installation
No manual labor required to install

### **Wireless Passive Infrared Detectors**WS4904PW

WS4904(PW) replaces the WLS904PL-433W

- Based on the Bravo® 3D hardwire motion detector
- High-traffic shutdown
- WS4904PW features pet immunity up to 27 kg
- I long-life lithium battery included



### Wireless Photoelectric Smoke/Heat Detector WS4916AUS

The new low-profile WS4916 wireless photoelectric smoke detector from DSC provides dealers with a quick-install solution and features a built-in dual sensor heat detector, automatic drift compensation, high/low sensitivity trouble, and ships complete with long-life lithium batteries. The WS4916 is ideal for those difficult-to-wire applications.

CE, C-Tick and AS 12239-2004 listed



### Wireless Door/ Window Contact WS4945W

The new WS4945 Wireless Door/Window Contact is now 30% smaller than the WLS925.

The WS4945 wireless door/window contact is built with reliable 433 MHz technology and is compatible with all current DSC wireless receivers.



### Wireless Vanishing Door/Window Contact W\$4975W

The new WS4975W wireless vanishing door/window contact's wafer-thin profile allows for a streamlined, practically unnoticeable look after installation. (2 1/4" x 1" x 3/16"; 57 mm x 25.4 mm x 4.8 mm)

The WS4975W can be easily mounted to the window frame with double-sided tape, eliminating the need for drilling.

This not only reduces installation times but also retains the integrity of the window warranty.



### Wireless Glass break Detector WLS912L-433W

The WLS912-433 is a wireless glass break detector based on the Acuity platform.

It is an advanced acoustic glass break sensor, designed to detect the sounds produced by the shattering of framed glass.

The unit uses DSP (patented Dynamic Signal Processing) to provide accurate detection of plate, laminated, wired (safety) and tempered glass types, while rejecting common false alarm sounds.



### **Single-Button Personal Panic** W\$4938W

With DSC's wireless WS4938 single-button personal panic, users are given a portable means to call for help from anywhere in the home.

The WS4938 features intuitive activation via a large, clearly defined button that incorporates a full two-second delay to help reduce false alarms.

To ensure easy emergency access, the WS4938 includes a neck strap and a multifunction clip that can be mounted in a convenient location or worn on a belt.



### **Four-Button Wireless Key** *WS4939EU*

Add wireless convenience and value to any DSC security system with the WS4939EU 4-button wireless key.

The WS4939EU can be used to arm/disarm security systems from a distance, be programmed to trigger garage door openers, turn on lights, open powered gates, or trigger panic alarms. A multifunction clip allows the wireless key to be clipped to a convenient location.



### **PowerSeries Wireless Receiver – 32 zones** *RF5132-433W*

Featuring a PCB dual antenna for consistent performance with better coverage and sensitivity, the receiver is further enhanced by a new compact design.

The RF5132-433 is RoHS compliant and fully supports all DSC 433 MHz devices. In addition, the receiver is compatible with all new and existing PowerSeries control panels.

- Dual antenna design to maximize range
- Supports 32 wireless zones and 16 wireless keys



### **PowerSeries Wireless Receiver – 8 zones** *RF5108-433W*

Low-cost alternative when only a few wireless keys and zones are required

- Supports up to 8 wireless keys and 8 wireless detectors
- 2 on-board, fully programmable (50 mA) outputs: activate garage door openers, turn on armed status LED
- Compatible with all PowerSeries control panels
- Dual antenna design to maximize range
- RF5108WKK1-433W wireless key kit includes | RF5108-433W wireless receiver and | WS4939EU 4-button wireless key



### PowerSeries Multiple Wireless Receiver Module - PC5320

The PC5320 connects to the primary Keybus of a control panel\* and provides four secondary 4-wire connections for up to four wireless receivers.

The PC5320 does not provide additional zones but enables the 32 zones to be distributed over a greater area.

